

Technical Soil Descriptions

Technical soil descriptions describe the characteristics or properties (physical and chemical) of the soil including the parent material in which it formed. A pedon, a small three-dimensional area of the soil, serves as the reference point for the technical or soil series description. The soil description compares the soil to similar and other nearby soils and also includes a range of important characteristics. The detailed description method follows standards outlined in the Soil Survey Manual and many of the technical terms used in the description are defined in Soil Taxonomy.

Counties with Published Soil Surveys

Technical soil descriptions are located in the county soil survey descriptive legend.

Counties without Published Soil Surveys

Technical soil descriptions can be found in adjacent county published soil survey descriptive legends or at our [Official Soil Series Description](#) web site.

This section includes:

- (a) **Classification of the soils**

Ste. Genevieve County, Missouri
 Classification of the Soils

(An asterisk in the first column indicates a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
ASHTON-----	Fine-silty, mixed, mesic Mollic Hapludalfs
AUXVASSE-----	Fine, montmorillonitic, mesic Aeric Albaqualfs
BEAUCOUP-----	Fine-silty, mixed, mesic Fluvaquentic Endoaquolls
BLOOMSDALE-----	Loamy-skeletal, mixed, superactive, mesic Typic Hapludalfs
CANEYVILLE-----	Fine, mixed, active, mesic Typic Hapludalfs
CARR-----	Coarse-loamy, mixed (calcareous), mesic Typic Udifluvents
CRIDER-----	Fine-silty, mixed, active, mesic Typic Paleudalfs
FOURCHE-----	Fine-silty, mixed, active, mesic Glossaquic Paleudalfs
FREEBURG-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
GASCONADE-----	Clayey-skeletal, mixed, superactive, mesic Lithic Hapludolls
GERALD-----	Fine, mixed, mesic Umbric Fragiqualfs
GOSS-----	Clayey-skeletal, mixed, active, mesic Typic Paleudalfs
HAYMOND-----	Coarse-silty, mixed, superactive, mesic Dystric Fluventic Eutrochrepts
HAYNIE-----	Coarse-silty, mixed, superactive, calcareous, mesic Mollic Udifluvents
HILDEBRECHT-----	Fine-silty, mixed, mesic Typic Fragiudalfs
JONCA-----	Fine-loamy, mixed, mesic Typic Fragiudalfs
LAMOTTE-----	Fine-loamy, mixed, mesic Ultic Hapludalfs
LILY-----	Fine-loamy, siliceous, mesic Typic Hapludults
MENFRO-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
MIDCO-----	Loamy-skeletal, siliceous, nonacid, mesic Typic Udifluvents
MINNITH-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
NAMEOKI-----	Fine, montmorillonitic, mesic Aquertic Hapludolls
*NICHOLSON-----	Fine-silty, mixed, mesic Oxyaquic Fragiudalfs
ORTHENTS-----	Orthents
RAMSEY-----	Loamy, siliceous, superactive, mesic Lithic Dystrudepts
ROSS-----	Fine-loamy, mixed, mesic Cumulic Hapludolls
*SYENITE-----	Fine-loamy, mixed, mesic Typic Hapludults
UNION-----	Fine, mixed, mesic Typic Fragiudalfs
WABASH-----	Fine, montmorillonitic, mesic Cumulic Vertic Endoaquolls
WEINGARTEN-----	Fine-silty, mixed, active, mesic Fragic Hapludalfs
WILBUR-----	Coarse-silty, mixed, superactive, mesic Fluvaquentic Eutrochrepts
WILDERNESS-----	Loamy-skeletal, siliceous, mesic Oxyaquic Fragiudalfs